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=> FILE REG
FILE 'REGISTRY' ENTERED AT 13:33:10 ON 26 MAR 2010
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     FILE 'LREGISTRY' ENTERED AT 13:22:24 ON 26 MAR 2010
L1              STR

     FILE 'REGISTRY' ENTERED AT 13:26:15 ON 26 MAR 2010
L2            2 S L1

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L3              STR L1

     FILE 'REGISTRY' ENTERED AT 13:30:19 ON 26 MAR 2010
L4            2 S L3
L5           60 S L3 FUL
                SAV L5 MRU444/A

     FILE 'ZCA' ENTERED AT 13:32:19 ON 26 MAR 2010
L6           19 S L5
L7           15 S 1808-2004/PY,PRY,AY AND L6

     FILE 'REGISTRY' ENTERED AT 13:33:10 ON 26 MAR 2010


=> D L5 QUE STAT
L3              STR
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NODE ATTRIBUTES:
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NSPEC   IS RC     AT  13
CONNECT IS M3  RC AT   2
CONNECT IS E4  RC AT   6
CONNECT IS M2  RC AT   7
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
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SEARCH TIME: 00.00.01

=> FILE ZCA
FILE 'ZCA' ENTERED AT 13:33:19 ON 26 MAR 2010

=> D L7 1-15 ALL HITSTR

L7 ANSWER 1 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 143:97637 ZCA Full-text
ED Entered STN: 28 Jul 2005
TI Preparation of amino acid biarylsulfonamides as metalloproteinase inhibitors
IN Levin, Jeremy Ian; Rush, Thomas Saltmarsh; Lovering, Frank; Hu, Yonghan; Li, Jianchang; Li, Wei; Wu, Jun Jun; Hotchandani, Rajeev; Xiang, Jason Shaoyun; Du, Xuemei; Cole, Derek Cecil; Tam, Steve Yikkai
PA Wyeth, John, and Brother Ltd., USA
SO U.S. Pat. Appl. Publ., 119 pp.
CODEN: USXXCO
DT Patent
LA English
IC ICM A61K031-445
ICS A61K031-4178; A61K031-4025; C07D049-14; C07D043-14
INCL 514332000; 514422000; 514444000; 514471000; 546256000; 548518000; 514400000; 548311100
CC 34-2 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 7, 63
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20050143422	A1	20050630	US 2004-1589	20041201
	US 7420001	B2	20080902		
	CA 2548518	A1	20050707	CA 2003-2548518	20031222

	WO 2005061477	A1	20050707	WO 2003-US40835	20031222
	AU 2003299789	A1	20050714	AU 2003-299789	20031222
	EP 1692124	A1	20060823	EP 2003-800062	20031222
	EP 1692124	B1	20081015		
	BR 2003018640	A	20061128	BR 2003-18640	20031222
	JP 2007524567	T	20070830	JP 2005-512437	20031222
	AT 411306	T	20081015	AT 2003-800062	20031222
	CN 1623537	A	20050608	CN 2004-10002715	20040105
	AU 2004200247	A1	20050623	AU 2004-200247	20040108
	IN 2006KN01487	A	20070504	IN 2006-KN1487	20060531
	MX 2006006211	A	20060809	MX 2006-6211	20060601
	ZA 2006004551	A	20081126	ZA 2006-4551	20060602
	NO 2006002649	A	20060901	NO 2006-2649	20060608
PRAI	US 2003-526840P	P	20031204		
	WO 2003-US40835	W	20031222		

OS CASREACT 143:97637

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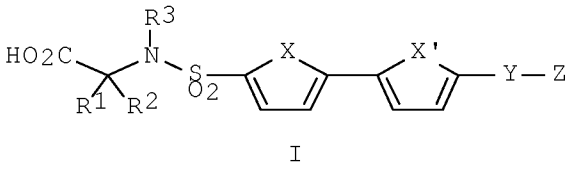

I

AB The invention relates to biaryl sulfonamides I [R1, R2 are independently H, CHR4OH, Ph, heteroaryl or alkyl, with the proviso that when R1 or R2 is CHR4OH, then Z is substituted with NR4SO2R5, SO2NR4R5, heterocycloalkyl, heteroaryl or cycloalkyl; R3 is H or alkyl; R4, R5 are independently a bond to the other, H, alkyl or phenyl; X, X' are independently S, O, NR4, CR6:CR6 or N:CR6; R6 is H, halo, an amino group, NO2, CN, etc.; Y is NR3CO, O2C, NHSO2, OCH2, CH2SO or CH2SO2; Z is at least one heteroaryl moiety] and their use as metalloproteinase inhibitors. Thus, N-[[4'-[(2-benzofuranylcarbonyl)amino]-1,1'-biphenyl-4- yl]sulfonyl]glycine, prepd. by reaction of 4-aminobiphenylsulfonyl fluoride with 2-benzofurancarbonyl chloride and glycine tert-Bu ester hydrochloride and ester cleavage, showed IC50 = 47 nanomolar for inhibition of MMP-2.

ST amino acid biarylsulfonamide prepn inhibitor metalloproteinase; sulfonamide biaryl amino acid prepn inhibitor metalloproteinase

IT Wound healing
(abnormal; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Aneurysm
(aortic; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)

IT Lung, disease
(chronic obstructive pulmonary disease; prepn. of amino acid

biarylsulfonamides as metalloproteinase inhibitors)
IT Eye, disease
(cornea, ulcer; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Ulcer
(corneal; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Tendon
(disease, tendinitis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Inflammation
Kidney, disease
(glomerulonephritis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Transplant and Transplantation
(graft-vs.-host reaction; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Heart, disease
(infarction; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Intestine, disease
(inflammatory; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Spinal column, disease
(intervertebral disk degeneration; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Eye, disease
(macula, senile degeneration; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Bone, disease
(osteopenia; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Angiogenesis
Antiarthritics
Antiasthmatics
Antidiabetic agents
Antitumor agents
Asthma
Atherosclerosis
Central nervous system, disease
Cirrhosis
Diabetes mellitus
Hepatitis
Multiple sclerosis
Neoplasm
Osteoarthritis
Periodontium, disease
Rheumatoid arthritis
Shock (circulatory collapse)
(prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Amino acids

(prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Artery, disease
(restenosis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Brain, disease
(stroke; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
IT Inflammation
(tendinitis; prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
(prepn. of amino acid biarylsulfonamides as metalloproteinase inhibitors)
OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
UPOS.G Date last citing reference entered STN: 16 Feb 2009
OS.G CAPLUS 2008:1451440; 2006:236647
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE CITED REFERENCES
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(3) Anon; EP 0950656 A1 1999 ZCA
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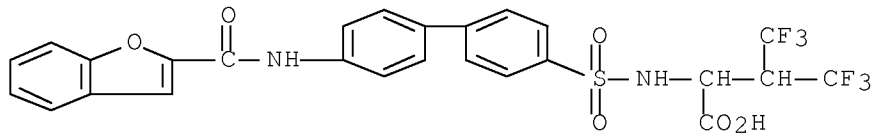
(30) Werner, A; Tetrahedron 1995, V51(16), P4779 ZCA
(31) Widder; 1985, V112, P309
(32) Xiang; US 7268135 B2 2007 ZCA
IT 857077-94-2P
(prepn. of amino acid biarylsulfonamides as metalloproteinase

inhibitors)
RN 857077-94-2 ZCA
CN Valine, N-[[4'-[(2-benzofuranylcarbonyl)amino][1,1'-biphenyl]-4-yl]sulfonyl]-4,4,4,4',4',4'-hexafluoro- (9CI) (CA INDEX NAME)



L7 ANSWER 2 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 139:261051 ZCA Full-text
ED Entered STN: 16 Oct 2003
TI Preparation of N-[4-bis(trifluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivatives as fluorescence-labeled ligands
IN Wakabayashi, Kenji; Oda, Kozo
PA Sankyo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 26 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C07D311-82
ICS C12N015-09
CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003267969	A	20030925	JP 2002-69674	20020314
PRAI	JP 2002-69674		20020314		

OS MARPAT 139:261051
AB The title compds. [I; R1, R2 = H, each (un)substituted C1-20 alkyl, aryl, or aralkyl, -A1-D-G2-A2-G2-FL; wherein A1, A2 = (un)substituted C1-6 alkylene or phenylene; G1, G2 = a single bond, O, S, OC(O), OC(:S), NHCO, NHSO2, NHCONH, NHC(:S)NH; FL = a fluorescent group] are prepd. These compds. possess both binding affinity to liver X receptor (LXR) and fluorescent property and are used as ligands for convenient and comprehensive assay of binding affinity of various ligands to LXR in development of hypolipidemics or antiarteriosclerotics. Thus, 19.0 mg 4-(2-aminoethyl)-N-(2,2,2-trifluoroethyl)-N-[4-[2,2,2-trifluoro-1- hydroxy-1-(trifluoromethyl)ethyl]phenyl]benzenesulfonamide was dissolved in 0.5 mL DMSO, treated with 6.0 mg 6-(fluorescein-5(6)-ylcarbonylamino)caproic acid N-succinimidyl ester (Fluka) and 0.05 mL phosphate buffer (pH 6.86), stirred at 50° for 10 h to give after workup and preparative TLC, a mixt. of fluorescein derivs. (II; R = Q, Q1) (13 mg, 76% yield) which in vitro dose-

dependently inhibited the binding of T0901317 (LXR agonist) to recombinant human LXRα and LXRβ.

ST trifluoromethylhydroxymethylphenylbenzenesulfonamide prepn fluorescence labeled ligand; liver X receptor affinity assay fluorescence labeled ligand

IT Steroid receptors
(LXR (liver X receptor); prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as fluorescence-labeled ligands for assay of binding affinity to liver X receptor (LXR))

IT Fluorescent indicators
Fluorescent substances
Human
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as fluorescence-labeled ligands for assay of binding affinity to liver X receptor (LXR))

IT 603138-63-2P 603138-64-3P 603138-65-4P 603138-66-5P
603138-67-6P 603138-68-7P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as fluorescence-labeled ligands for assay of binding affinity to liver X receptor (LXR))

IT 603138-83-6P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as fluorescence-labeled ligands for assay of binding affinity to liver X receptor (LXR))

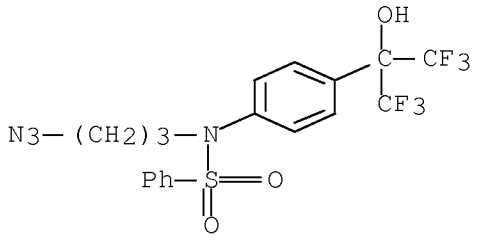
IT 109-70-6, 1-Bromo-3-chloropropane 722-92-9,
4-[2,2,2-Trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]aniline
4025-64-3, 3-Chlorosulfonylbenzoic acid 6226-25-1,
Trifluoromethanesulfonic acid 2,2,2-trifluoroethyl ester 10130-89-9,
4-Chlorosulfonylbenzoic acid 23114-01-4,
N-Methyl-N-nitro-p-toluenesulfonamide 76856-51-4 603138-75-6
603138-99-4
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as fluorescence-labeled ligands for assay of binding affinity to liver X receptor (LXR))

IT 334-88-3P, Diazomethane 63555-50-0P 69812-51-7P 603138-69-8P
603138-70-1P 603138-71-2P 603138-72-3P 603138-73-4P
603138-74-5P 603138-76-7P 603138-77-8P 603138-78-9P
603138-79-0P 603138-80-3P 603138-81-4P 603138-82-5P
603138-84-7P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as fluorescence-labeled ligands for assay of binding affinity to liver X receptor (LXR))

IT 603138-84-7P
(prepn. of [4-(fluoromethyl)hydroxymethylphenyl]benzenesulfonamide derivs. as fluorescence-labeled ligands for assay of binding affinity to liver X receptor (LXR))

RN 603138-84-7 ZCA

CN Benzenesulfonamide, N-(3-azidopropyl)-N-[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



L7 ANSWER 3 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 134:268413 ZCA Full-text
ED Entered STN: 26 Apr 2001
TI Composition of fire-extinguishing agents
IN Nagao, Kenji; Tanaka, Kazuyoshi; Hashimoto, Yutaka
PA Dainippon Ink and Chemicals, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 39 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM A62D001-04
CC 50-6 (Propellants and Explosives)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001079108	A	20010327	JP 1999-260235	19990914

PRAI JP 1999-260235 19990914
CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2001079108	ICM	A62D001-04
	IPCI	A62D0001-04 [ICM,7]
	IPCR	A62D0001-00 [I,C*]; A62D0001-04 [I,A]

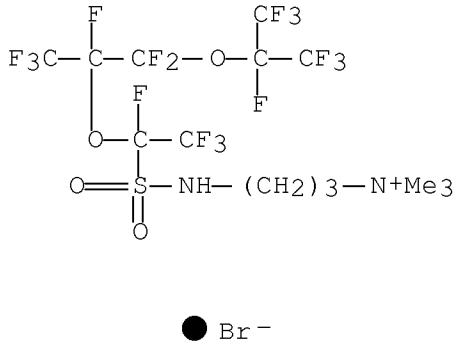
AB Fire-extinguishing agent having diffusivity ≥3.5 comprises cationic water-sol. polymer, cationic hydrophilic surfactant, and polybasic acid compds. The agent has fast fire-extinguishing performance, high-flame resistance, liq. resistance, and re-ignition prevention performance.
ST fire extinguishing agent compn
IT Fire extinguishers
(compn. of fire-extinguishing agents)
IT 67-56-1, Methanol, uses 67-63-0, Isopropyl alcohol, uses 67-64-1, Acetone, uses 75-56-9, Propylene oxide, uses 142-82-5, n-Heptane, uses
(fire; compn. of fire-extinguishing agents for)
IT 87-69-4, Natural tartaric acid, uses 99-14-9, 1,2,3-Propanetricarboxylic acid 107-21-1, Ethylene glycol, uses 110-15-6, Butanedioic acid, uses 110-99-6 112-34-5, Butyl Carbitol 124-04-9, Hexanedioic acid, uses 139-33-3 335-90-0 505-48-6,

Octanedioic acid 617-65-2, Glutamic acid 787-70-2, [1,1'-Biphenyl]-4,4'-dicarboxylic acid 2284-73-3 2449-35-6 3232-24-4 3238-40-2, 2,5-Furandicarboxylic acid 4282-31-9, 2,5-Thiophenedicarboxylic acid 9002-98-6 62501-48-8 67939-95-1 73149-44-7 85665-65-2 89736-24-3 98900-51-7 98900-53-9 98900-57-3 98900-67-5 98900-70-0 98900-72-2 98900-75-5 98900-76-6 98900-81-3 98900-82-4 98900-84-6 331755-00-1 331755-01-2 331755-02-3 331755-03-4 **331755-04-5** 331755-05-6 331755-06-7 331755-07-8 331755-08-9 331755-09-0 331755-11-4 331755-12-5 331755-14-7
(in compn. of fire-extinguishing agents)

IT **331755-04-5**
(in compn. of fire-extinguishing agents)

RN 331755-04-5 ZCA

CN 1-Propanaminium, 3-[[[1-[1-[difluoro[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,2,2,2-tetrafluoroethyl]sulfonyl]amino]-N,N,N-trimethyl-, bromide (1:1) (CA INDEX NAME)



L7 ANSWER 4 OF 15 ZCA COPYRIGHT 2010 ACS on STN

AN 133:327663 ZCA Full-text

ED Entered STN: 23 Nov 2000

TI Positive-working photosensitive resin precursor composition

IN Fujita, Yoji; Tomikawa, Masao; Okuda, Ryoji

PA Toray Industries, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM G03F007-037
ICS C08G069-26; G03F007-022

CC 74-5 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 38

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI	JP 2000298341	A	20001024	JP 1999-106855	19990414
PRAI	JP 1999-106855		19990414		

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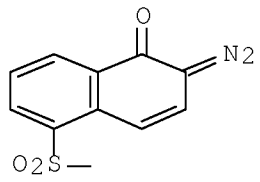

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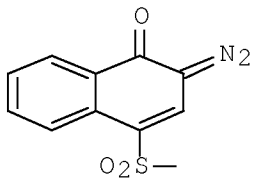


I

AB The title compn. contains (a) a polymer based on a structural unit [COR1(OH)p(CO2R3)mCONHR2(OH)qNH]n (R1 = C≥2 org. group with 2 to 8 valences; R2 = C≥2 org. group with 2 to 6 valences; R3 = H and/or C1-20 org. group; n = 10-100,000; m = 0-2; p, q = 0-4, p ≠ q ≠ 0) and (b) ≥1 quinonediazide compd. (R4SO2NH)cR5(OQ)b(NHQ)e(OSO2R6)d [Q = I or II; R4, R6 = C1-20 univalent org. group; R5 = C≥2 org. group with 2 to 8 valences; b + d, c + e = 0-4, b ≠ e ≠ 0, c ≠ d ≠, (b + d) ≠ (c + e) ≠ 0]. The compn. is developable with aq. alkali solns. and provides high quality patterns with high residual film rate.

ST pos photoresist polyimide polybenzoxazole precursor; quinonediazide compd pos photoresist

IT Positive photoresists
(pos. photoresist compn. contg. polyimide or polybenzoxazole precursor and quinonediazide compd.)

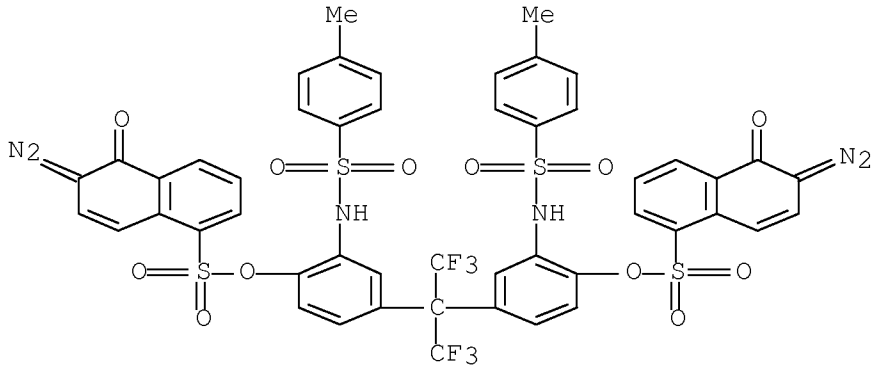
IT Polybenzoxazoles
Polyimides, preparation
(pos. photoresist compn. contg. polyimide or polybenzoxazole precursor and quinonediazide compd.)

IT 98-59-9, p-Toluenesulfonic acid chloride 36451-09-9, 1,2-Naphthoquinonediazide-4-sulfonyl chloride 38638-43-6, 1,2-Naphthoquinonediazide-5-sulfonic acid chloride 52499-14-6, p-Dodecylbenzenesulfonyl chloride 110726-28-8
(esterification of)

IT 83558-87-6DP, 2,2-Bis(3-amino-4-hydroxyphenyl) hexafluoropropane, reaction products with 1,2-naphthoquinonediazide-4(5)-sulfonic acid and p-toluenesulfonic acid 148879-74-7P 236095-20-8P 270903-11-2P 302792-34-3P 302792-35-4P 302792-37-6P 302792-38-7P 302798-02-3P
(pos. photoresist compn. contg. polyimide or polybenzoxazole precursor and quinonediazide compd.)

IT 25596-69-4P 46907-17-9P 129197-38-2P 223255-30-9P
(prepn. and polymn. of)

IT 1204-28-0, Trimellitic acid anhydride chloride
(prepn. of acid anhydride)
IT 99-57-0, 2-Amino-4-nitrophenol 99-63-8, 1,3-Benzenedicarbonyl dichloride 122-04-3, 4-Nitrobenzoyl chloride
(prepn. of diamine compd.)
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
UPOS.G Date last citing reference entered STN: 16 Feb 2009
OS.G CAPLUS 2003:951321
IT **302792-34-3P**
(pos. photoresist compn. contg. polyimide or polybenzoxazole precursor and quinonediazide compd.)
RN 302792-34-3 ZCA
CN 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo-, [2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-[[(4-methylphenyl)sulfonyl]amino]-4,1-phenylene] ester (9CI) (CA INDEX NAME)



L7 ANSWER 5 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 133:237693 ZCA Full-text
ED Entered STN: 13 Oct 2000
TI Preparation of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators.
IN Li, Leping; Medina, Julio C.; Hasegawa, Hirohiko; Cutler, Serena T.; Liu, Jiwen; Zhu, Liusheng; Shan, Bei; Lustig, Kevin
PA Tularik Inc., USA
SO PCT Int. Appl., 113 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM A61K031-00
CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1, 27
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 2000054759	A2	20000921	WO 2000-US6611	20000315
	WO 2000054759	A3	20010215		
	US 6316503	B1	20011113	US 2000-525861	20000314
	CA 2367595	A1	20000921	CA 2000-2367595	20000315
	EP 1161233	A2	20011212	EP 2000-914958	20000315
	JP 2002539155	T	20021119	JP 2000-604835	20000315
PRAI	US 1999-124525P	P	19990315		
	WO 2000-US6611	W	20000315		

OS MARPAT 133:237693

AB X1X2X3CC(R1)(ArYR2)CX4X5X6 (Ar = aryl; R1 = OH, CO2H, alkoxy, alkylcarbonyloxy, heteroalkyloxy, etc.; R2 = alkyl, heteroalkyl, aryl, aralkyl; X1-X6 = H, alkyl, heteroalkyl, F, Cl; Y = NR12SOm, NR12CO, NR12CONR13, NR12CO2, etc.; m = 1, 2; R12, R13 = H, alkyl, heteroalkyl, aryl, aralkyl, etc.; with provisos), were prepd. Thus, 4-(hexafluoro-2-hydroxyisopropyl)aniline in MeOH was treated with PhSO2Cl to give 4-[HO(CF3)2C]C6H4NHSO2Ph. The latter showed LXRα with EC50 <2 μM.

ST trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prepn liver X receptor modulator; antiatherosclerotic trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prepn; antidiabetic trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prepn; antiobesity agent trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prepn; antihypertensive trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prepn; antiosteoporotic trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prepn; LXR modulator trifluoromethylhydroxymethylbenzenesulfonamide urea carbamate prepn

IT Antiarteriosclerotics
(antiatherosclerotics; prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

IT Vitamins
(avitaminosis, treatment; prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

IT Lipids, biological studies
(metab., treatment of disorders; prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

IT Anticholesteremic agents
Antidiabetic agents
Antihypertensives
Antiobesity agents
(prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

IT Sulfonamides
(prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

IT Receptors
(prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides,

-ureas, and -carbamates as liver X receptor modulators)

IT Osteoporosis

(therapeutic agents; prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

IT Multidrug resistance

(treatment; prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE CITED REFERENCES

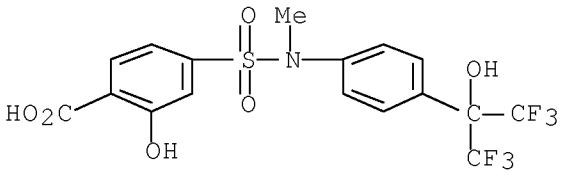
(1) Anon; WO 0046203 A2 ZCA
(2) Anon; EP 0193249 A2 ZCA
(3) Anon; EP 0919542 A2 ZCA
(4) Anon; GB 1507340 A
(5) Anon; US 3281466 A ZCA
(6) Anon; US 4093742 A
(7) Anon; US 4230635 A ZCA
(8) Anon; US 4240979 A ZCA
(9) Anon; US 4251534 A ZCA

IT **293753-78-3P 293753-91-0P 293753-94-3P 293754-09-3P 293754-45-7P**

(prepn. of bis(trifluoromethyl)hydroxymethylbenzenesulfonamides, -ureas, and -carbamates as liver X receptor modulators)

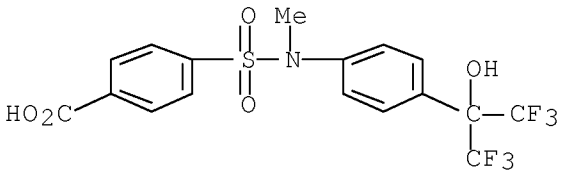
RN 293753-78-3 ZCA

CN Benzoic acid, 2-hydroxy-4-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)

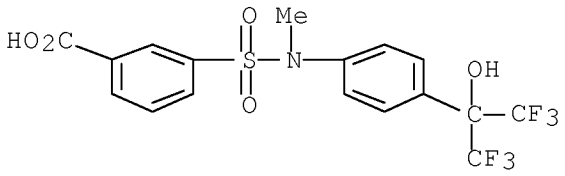


RN 293753-91-0 ZCA

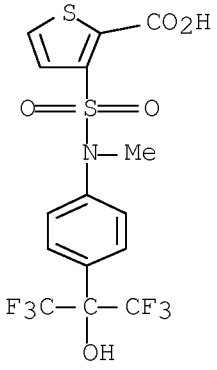
CN Benzoic acid, 4-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)



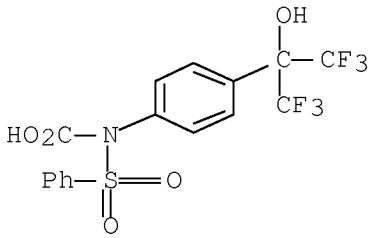
RN 293753-94-3 ZCA
CN Benzoic acid, 3-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)



RN 293754-09-3 ZCA
CN 2-Thiophenecarboxylic acid, 3-[[methyl[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]amino]sulfonyl]- (CA INDEX NAME)



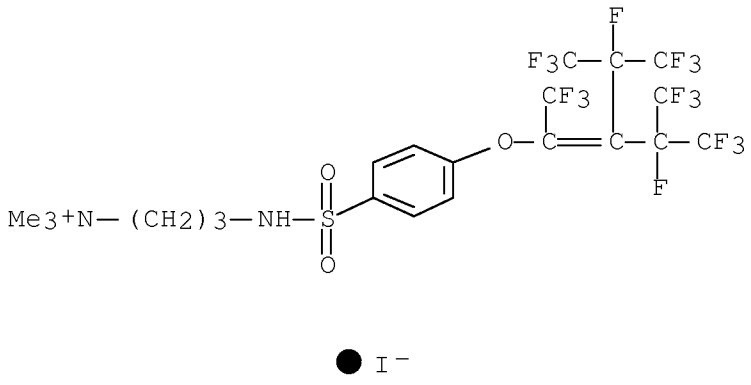
RN 293754-45-7 ZCA
CN Carbamic acid, (phenylsulfonyl)[4-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 6 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 132:69780 ZCA Full-text

ED Entered STN: 28 Jan 2000
TI Rheological changes of suspensions induced by electrohydrodynamic instability
AU Otsubo, Yasufumi; Edamura, Kazuya; Fukube, Hiroyuki; Deyama, Kazuhito
CS Department of Image Science, Chiba University, Chiba-shi, 263, Japan
SO Electro-Rheological Fluids, Magneto-Rheological Suspensions and Their Applications, Proceedings of the International Conference, 6th, Yonezawa, Japan, July 22-25, 1997 (1998), Meeting Date 1997, 35-42. Editor(s): Nakano, Masami; Koyama, Kiyohito. Publisher: World Scientific Publishing Co. Pte. Ltd., Singapore, Singapore. CODEN: 68KEAO
DT Conference
LA English
CC 66-4 (Surface Chemistry and Colloids)
AB A new type of ER suspension was invented with a fluorinated org. compd. The suspensions show a viscosity increase without yield stress on the application of elec. fields. The results cannot be explained by the chain formation mechanism. After the ER expts., the plate surface of rheometer is covered with stripes of aggregated particles. The periodic structure may be formed in the electrified suspensions. When a dielec. liq. is subjected to high elec. fields, the secondary motion of liq. can be induced. The electrohydrodynamic convection is responsible for the periodic distribution of particles. The ER effect of the suspensions may be generated by a combined effect of electrohydrodynamic convection and external shear.
ST electrorheol perfluorooxyphenylsulfonnamide salt suspension silicone oil electrohydrodynamic convection; sulfonnamide salt perfluorooxyphenyl suspension silicone oil electrorheol electrohydrodynamic convection
IT Convective flow
(electroconvective; rheol. changes of electrorheol. suspensions of perfluorooxyphenylsulfonnamide salt induced by)
IT Creep
Mechanical loss
Shear viscosity
(of electrorheol. suspensions of perfluorooxyphenylsulfonnamide salt induced by electrohydrodynamic instability)
IT Polysiloxanes, properties
(oil phase; rheol. changes of suspensions of perfluorooxyphenylsulfonnamide salt induced by electrohydrodynamic instability)
IT Electrorheological fluids
Electrorheology
(rheol. changes of suspensions of perfluorooxyphenylsulfonnamide salt induced by electrohydrodynamic instability)
IT 158658-62-9
(suspended particles; rheol. changes of suspensions induced by electrohydrodynamic instability)
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE CITED REFERENCES
(1) Arp, P; Adv Colloid Interface Sci 1980, V12, P295
(2) Fukumasa, M; Ferroelec 1993, V147, P395 ZCA
(3) Gamota, D; J Rheol 1991, V35, P399 ZCA

(4) Gast, A; Adv Colloid Interface Sci 1989, V30, P153 ZCA
(5) Halsey, T; Science 1992, V258, P761
(6) Orsay Liquid Crystal Group; Mol Cryst Liq Cryst 1971, V12, P251 ZCA
(7) Otsubo, Y; Colloids Surf 1991, V58, P73 ZCA
(8) Otsubo, Y; Colloids Surf A 1996, V109, P63 ZCA
(9) Otsubo, Y; J Rheol 1992, V36, P479 ZCA
(10) Tanaka, K; J Soc Rheol Jpn 1992, V20, P73 ZCA
(11) Yang, I; J Rheol 1992, V36, P1079 ZCA
IT 158658-62-9
(suspended particles; rheol. changes of suspensions induced by electrohydrodynamic instability)
RN 158658-62-9 ZCA
CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, iodide (1:1) (CA INDEX NAME)



L7 ANSWER 7 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 130:161932 ZCA Full-text
ED Entered STN: 13 Mar 1999
TI Electrically sensitive compounds, electro-rheological electric insulator-based compositions containing the compounds, and their uses
IN Otsubo, Yasufumi; Fukube, Hiroyuki; Ideyama, Kazuhito; Edamura, Kazuya
PA Neos Co., Ltd., Japan; Shingijutsu Management Y. K.
SO Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
CC 76-10 (Electric Phenomena)
Section cross-reference(s): 25
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11029508	A	19990202	JP 1997-182836	19970708
PRAI	JP 1997-182836		19970708		

OS MARPAT 130:161932

AB The elec. sensitive compds. are represented as CnXm(O)rQqAp [Q = (substituted) ≥2-valent arom. group residue; p = 1-(4q + 1); q = 0, 1, 2; r = 0, 1; n = 2-20; m = 2n + 1, 2n - 1; X = H, F; A = H, C≥2 monovalent org. group residue, C<2 monovalent group without releasable terminal H, [(CH2)sO]t [s = 2-5; t = 1-5; m = 2n - 2 (in this case); A and CnX2-2n make a ring]]. The compds. are dispersed in elec. insulating mediums to give title electro-rheol. compns., which are elec. charged in use as electro-rheol. fluids showing easy control of linearity compared with conventional electro-rheol. liq. crystal compns.

ST elec sensitive compd electro rheol; insulator medium electro rheol liq

IT Polysiloxanes, uses
(elec. insulators; elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT Electric insulators
Electrorheology
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT 31900-57-9, Dimethylsilanediol homopolymer 42557-10-8, TSF 451 100
(elec. insulators; elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT **158658-62-9P**
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

IT 83731-88-8 130183-59-4 170778-67-3 220288-16-4 220288-17-5 220288-19-7 220288-20-0 220288-21-1 220288-22-2 **220288-23-3 220288-24-4 220288-25-5 220288-26-6 220288-27-7** 220288-28-8 220288-29-9
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

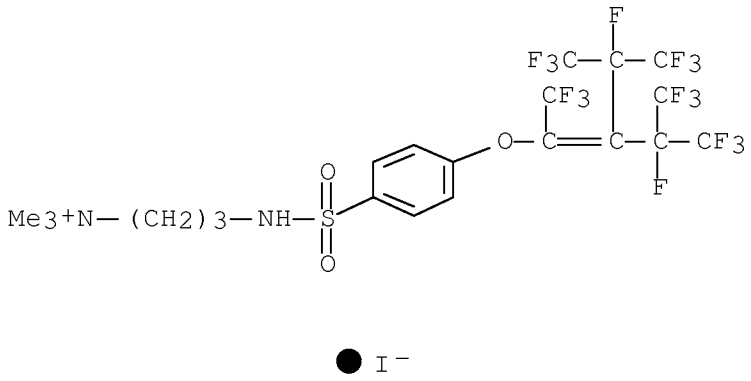
IT 109-55-7 7790-94-5, Chlorosulfonic acid 55937-47-8
(electro-rheol. elec. insulator-based compns. contg. elec. sensitive compds. from)

IT 59493-70-8P 59536-15-1P, p-Perfluorononenyloxybenzenesulfonyl chloride
(intermediates; electro-rheol. elec. insulator-based compns. contg. elec. sensitive compds. from)

IT **158658-62-9P**
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

RN 158658-62-9 ZCA

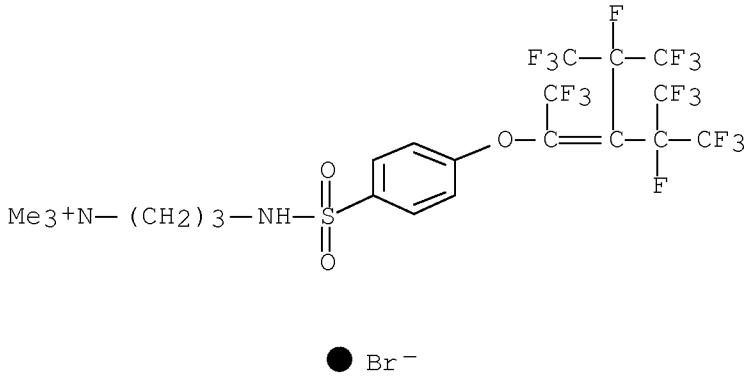
CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, iodide (1:1) (CA INDEX NAME)



IT 220288-23-3 220288-24-4 220288-25-5
220288-26-6 220288-27-7
(elec. sensitive compds. for electro-rheol. elec. insulator-based compns.)

RN 220288-23-3 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, bromide (1:1) (CA INDEX NAME)

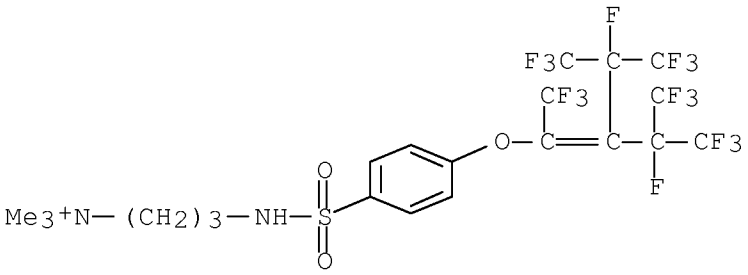


RN 220288-24-4 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, tetrafluoroborate(1-) (1:1) (CA INDEX NAME)

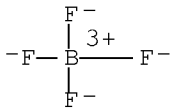
CM 1

CRN 170778-68-4
CMF C21 H20 F17 N2 O3 S



CM 2

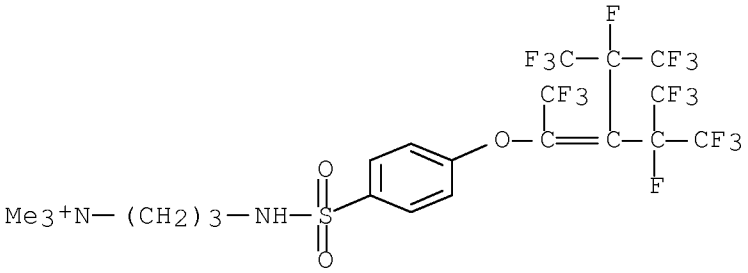
CRN 14874-70-5
CMF B F4
CCI CCS



RN 220288-25-5 ZCA
CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]phenyl]sulfonyl]amino]-, tetracosa-μ-oxododecaoxo[μ12-[phosphato(3-)-κO:κO:κO:κO':κO':κO':κO'':.kappa.O'':κO'':κO''':κO''':κO''']]dodecatungstate(5-) (5:1) (9CI) (CA INDEX NAME)

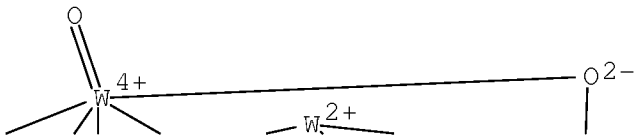
CM 1

CRN 170778-68-4
CMF C21 H20 F17 N2 O3 S

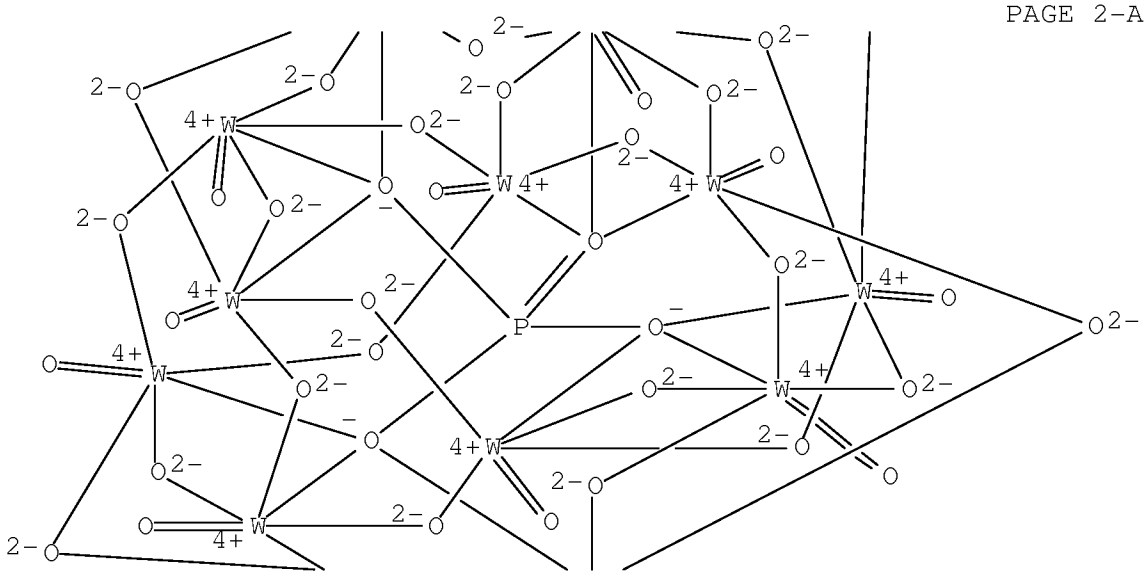


CM 2

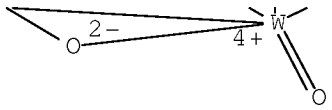
CRN 12269-69-1
CMF O40 P W12
CCI CCS



PAGE 2-A



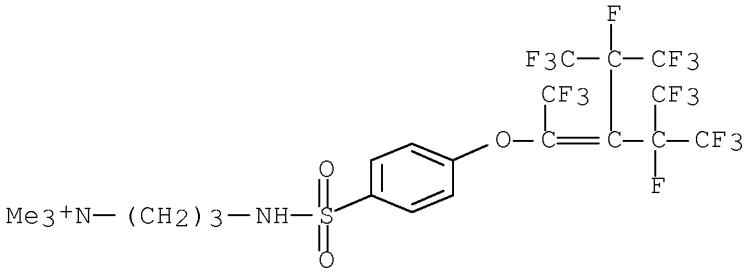
PAGE 3-A



RN 220288-26-6 ZCA
CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-butenyl]oxy]phenyl]sulfonyl]amino]-, tetraphenylborate(1-) (9CI) (CA INDEX NAME)

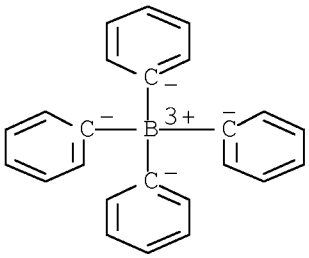
CM 1

CRN 170778-68-4
CMF C21 H20 F17 N2 O3 S



CM 2

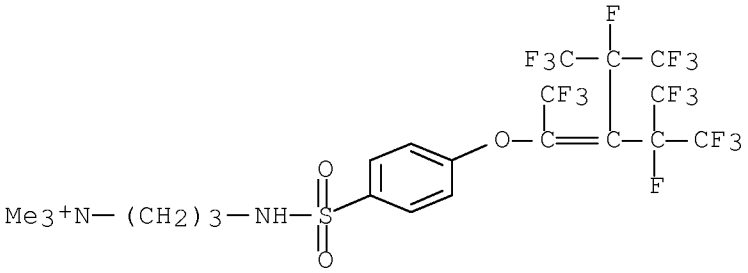
CRN 4358-26-3
CMF C24 H20 B
CCI CCS



RN 220288-27-7 ZCA
CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, 4-methylbenzenesulfonate (1:1) (CA INDEX NAME)

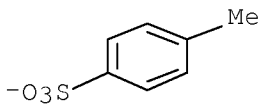
CM 1

CRN 170778-68-4
CMF C21 H20 F17 N2 O3 S



CM 2

CRN 16722-51-3
CMF C7 H7 O3 S



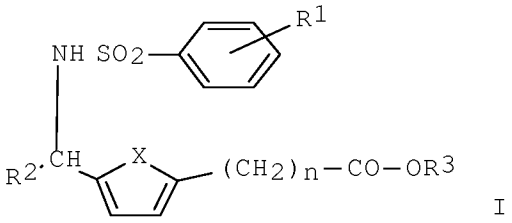
L7 ANSWER 8 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 129:27820 ZCA Full-text
OREF 129:5931a,5934a
ED Entered STN: 14 Jul 1998
TI Preparation and formulation of benzenesulfonamide derivatives as thromboxane A2 and leukotriene D4 antagonists
IN Yasuda, Shingo; Ogawa, Nobuo; Sakurai, Shunichiro
PA Hokuriku Seiyaku Co., Ltd., Japan
SO PCT Int. Appl., 104 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
IC ICM C07C311-19
ICS C07C311-29; C07D333-24; A61K031-195; A61K031-215; A61K031-38
CC 25-17 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1, 27, 63
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9821177	A1	19980522	WO 1997-JP4125	19971112
CM, GA, GN, ML, MR, NE, SN, TD, TG				
JP 10195038	A	19980728	JP 1997-269234	19970916
CA 2271673	A1	19980522	CA 1997-2271673	19971112
AU 9749645	A	19980603	AU 1997-49645	19971112

	AU 716395	B2	20000224		
	EP 943606	A1	19990922	EP 1997-912435	19971112
	BR 9712763	A	19991221	BR 1997-12763	19971112
	CN 1244859	A	20000216	CN 1997-181363	19971112
	HU 9903881	A2	20000228	HU 1999-3881	19971112
	HU 9903881	A3	20010228		
	NO 9902316	A	19990712	NO 1999-2316	19990512
	KR 2000053254	A	20000825	KR 1999-704233	19990513
PRAI	JP 1996-317109	A	19961113		
	JP 1997-269234	A	19970916		
	WO 1997-JP4125	W	19971112		

OS MARPAT 129:27820

GI



I

AB The title compds. I [R1 is hydrogen, halogeno, lower alkyl, lower alkoxy or nitro; R2 is C4-C8 alkyl substituted with one or more fluorine atoms; R3 is hydrogen or lower alkyl; X is sulfur or CH:CH; and n is an integer of 2 to 4] are prepd. In the in vitro test for thromboxane A2 antagonism, 4-[4-[5,5,6,6,6-pentafluoro-1-(4- fluorophenylsulfonylamino)hexyl]phenyl]butyric acid (II) showed pKB of 8.6. II at 0.3 mg/kg orally gave 71% inhibition of U-46619-induced tracheal constriction.

ST benzenesulfonamide prepn thromboxane leukotriene antagonist; thromboxane A2 antagonist benzenesulfonamide prepn; leukotriene D4 antagonist benzenesulfonamide prepn

IT Allergy inhibitors
Antiasthmatics
Anticoagulants
(prepn. and effect of benzenesulfonamide derivs. as thromboxane A2 and leukotriene D4 antagonists)

IT Leukotriene antagonists
(prepn. of benzenesulfonamide derivs. as thromboxane A2 and leukotriene D4 antagonists)

IT Thromboxane receptors
(prepn. of benzenesulfonamide derivs. as thromboxane A2 and leukotriene D4 antagonists)

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

UPOS.G Date last citing reference entered STN: 31 Jul 2009

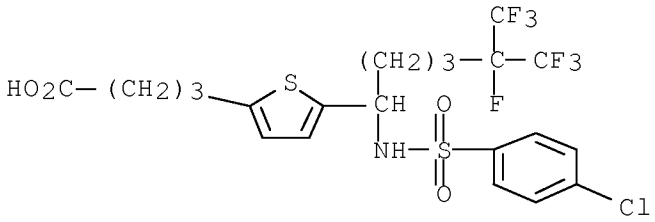
OS.G CAPLUS 2009:887315; 2007:379518; 2001:800653

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

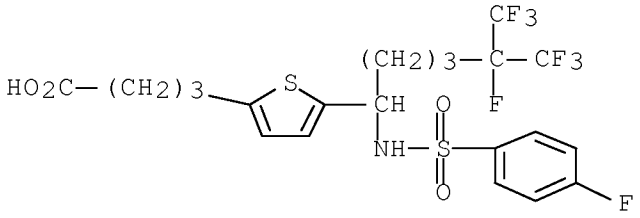
RE CITED REFERENCES
(1) Hokuriku Seiyaku Co Ltd; JP 07-53505 A 1995 ZCA
(2) Hokuriku Seiyaku Co Ltd; US 5597848 A 1995 ZCA
(3) Hokuriku Seiyaku Co Ltd; EP 663392 A1 1995 ZCA
(4) Hokuriku Seiyaku Co Ltd; WO 947848 A1 1995
(5) Hokuriku Seiyaku Co Ltd; JP 09-48775 A 1997 ZCA
(6) Hokuriku Seiyaku Co Ltd; WO 9638436 A1 1997 ZCA
(7) Sakurai, S; Chemical & Pharmaceutical Bulletin 1996, V44(4), P765 ZCA

IT 207987-52-8P 207987-53-9P 207987-54-0P
207987-78-8P 207987-79-9P 207987-80-2P
207987-81-3P
(prepn. of benzenesulfonamide derivs. as thromboxane A2 and leukotriene D4 antagonists)

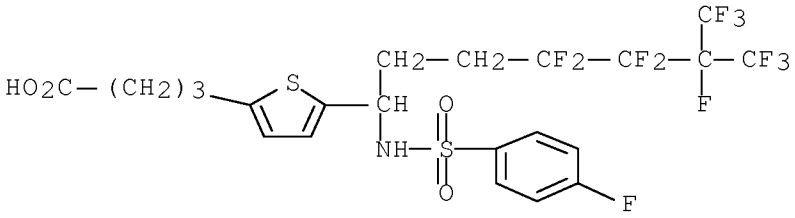
RN 207987-52-8 ZCA
CN 2-Thiophenebutanoic acid, 5-[1-[[(4-chlorophenyl)sulfonyl]amino]-5,6,6,6-tetrafluoro-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)



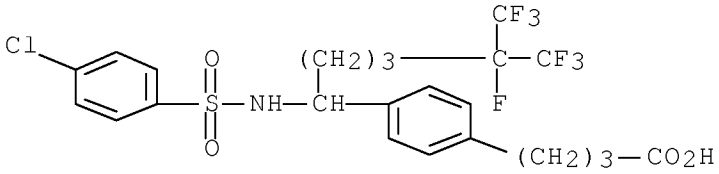
RN 207987-53-9 ZCA
CN 2-Thiophenebutanoic acid, 5-[5,6,6,6-tetrafluoro-1-[[(4-fluorophenyl)sulfonyl]amino]-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)



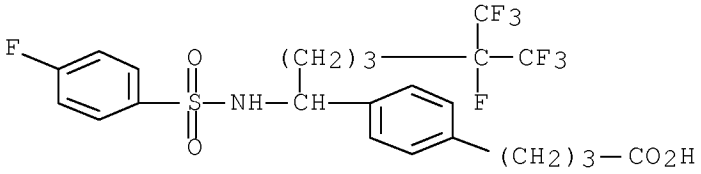
RN 207987-54-0 ZCA
CN 2-Thiophenebutanoic acid, 5-[4,4,5,5,6,7,7,7-octafluoro-1-[[(4-fluorophenyl)sulfonyl]amino]-6-(trifluoromethyl)heptyl]- (CA INDEX NAME)



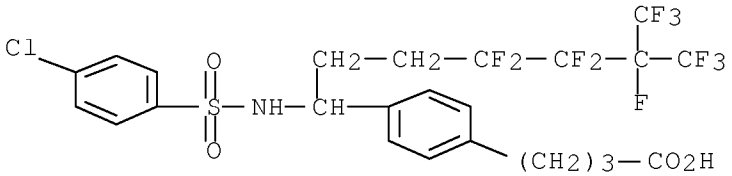
RN 207987-78-8 ZCA
CN Benzenebutanoic acid, 4-[1-[[(4-chlorophenyl)sulfonyl]amino]-5,6,6,6-tetrafluoro-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)



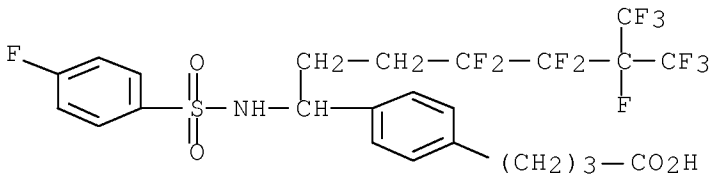
RN 207987-79-9 ZCA
CN Benzenebutanoic acid, 4-[5,6,6,6-tetrafluoro-1-[[(4-fluorophenyl)sulfonyl]amino]-5-(trifluoromethyl)hexyl]- (CA INDEX NAME)



RN 207987-80-2 ZCA
CN Benzenebutanoic acid, 4-[1-[[(4-chlorophenyl)sulfonyl]amino]-4,4,5,5,6,7,7,7-octafluoro-6-(trifluoromethyl)heptyl]- (CA INDEX NAME)



RN 207987-81-3 ZCA
CN Benzenebutanoic acid, 4-[4,4,5,5,6,7,7,7-octafluoro-1-[[(4-fluorophenyl)sulfonyl]amino]-6-(trifluoromethyl)heptyl]- (CA INDEX NAME)



L7 ANSWER 9 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 125:342650 ZCA Full-text
OREF 125:63785a,63788a
ED Entered STN: 17 Dec 1996
TI Silver halide photographic photosensitive materials containing hydrazine type nucleating agents and onium compounds
IN Kubo, Toshiaki; Takeuchi, Hiroshi
PA Fuji Photo Film Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 74 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM G03C001-06
ICS G03C001-04; G03C001-295
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08211527	A	19960820	JP 1995-37823	19950203
	JP 3408009	B2	20030519		
	US 5744279	A	19980428	US 1996-595478	19960201
PRAI	JP 1995-37817	A	19950203		
	JP 1995-37823	A	19950203		
	JP 1995-37824	A	19950203		
	JP 1995-37827	A	19950203		
	JP 1995-47901	A	19950214		
	JP 1995-58236	A	19950223		

GI For diagram(s), see printed CA Issue.
AB The claimed photog. material contains ≥ 1 nucleating agent having an anionic group near the hydrazine group or a nonionic group which form an intramol. H bond with the hydrazine group and ≥ 1 onium salt of the formula QmL·(m/n)Xn- (Q = R1P+R2R3, Q1, Q2; R1, R2, R3 = alkyl, cycloalkyl, aryl, alkenyl,

cycloalkenyl, heterocyclyl; L = m-valent org. moiety; R4 = alkyl, aryl; Xn- = anion; m = 1-4 when Q is phosphonium and m = 1-6 when Q is I or II; n = 1-3). The photog. materials shows high contrast, good resistance toward pressure induced blemishes, and good storage stability, and hence it is very useful as a lith film.

ST hydrazine deriv photog nucleating agent; onium salt nucleation promoter photog; phosphonium salt photog nucleating agent

IT Photographic films
(lith, high contrast lith films contg. hydrazine type nucleating agent and onium salt type nucleation promoter)

IT 179098-71-6 179098-81-8 182131-88-0 183197-18-4 183197-19-5 183289-50-1 183377-29-9 183377-30-2 183377-31-3 183377-32-4 183377-33-5 183377-34-6 183377-35-7 183377-36-8 183377-37-9 183377-38-0 183377-39-1
(hydrazine deriv. nucleating agent for photog. lith films)

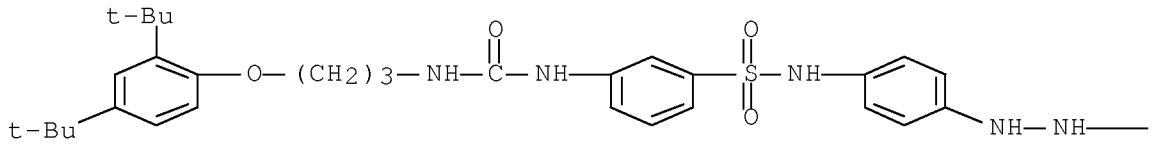
IT 917-20-4 16111-53-8 39795-21-6 116819-79-5 178217-20-4 183377-40-4 183377-41-5 183377-42-6 183377-43-7 183377-44-8 183377-45-9 183377-46-0
(nucleation promoters for photog. lith films)

IT 183377-35-7
(hydrazine deriv. nucleating agent for photog. lith films)

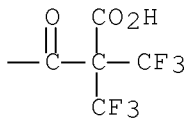
RN 183377-35-7 ZCA

CN Propanedioic acid, 2,2-bis(trifluoromethyl)-, 1-[2-[4-[[[3-[[[[3-[2,4-bis(1,1-dimethylethyl)phenoxy]propyl]amino]carbonyl]amino]phenyl]sulfonyl]amino]phenyl]hydrazide] (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L7 ANSWER 10 OF 15 ZCA COPYRIGHT 2010 ACS on STN

AN 121:267753 ZCA Full-text
OREF 121:48661a,48664a
ED Entered STN: 26 Nov 1994
TI Manufacture of polymer composite particles used in electrophotographic toner
IN Yamashita, Juji; Koban, Akihiro; Watanabe, Yoichiro; Kato, Koichi; Kawase, Hiromitsu
PA Ricoh Kk, Japan
SO Jpn. Kokai Tokkyo Koho, 19 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM B01J013-04
ICS C08L101-00; G03G009-08; G03G009-087
CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06063387	A	19940308	JP 1993-45775	19930210
	JP 3368387	B2	20030120		
	US 5368972	A	19941129	US 1993-16502	19930211
PRAI	JP 1992-61338	A1	19920215		

AB The title polymer composite particles are manufd. by (1) mixing a parent particle (A) which has polar groups on its surface and is dispersed in a hydrophilic org. solvent or water or their mixt., and a wax emulsion (B) dispersed by a non-ionic surfactant as a emulsifier in the above solvent, in the presence of a surfactant (C) which has a polarity different from that of the above polar groups, to stick the wax fine particles on the parent particle, (2) heating the mixt. to fix, and (3) sepg.(the solid and liq.) and rinsing if necessary, and then drying. The toner using the above polymer composite particles shows superior mold-releasing and cleaning properties.

ST polymer composite particle manuf; electrophotog toner polymer composite particle

IT Carnauba wax
(for prepg. polymer composite particles used in electrophotog. toner)

IT Electrophotographic developers
(toners, manuf. of polymer composite particles for)

IT 2190-04-7, Stearyl amine acetate 57765-32-9, Megafac F 150 158658-62-9
(cationic surfactant; for prepg. polymer composite particles used in electrophotog. toner)

IT 9016-45-9, Polyoxyethylene nonyl phenyl ether
(non-ionic surfactant; prepg. wax emulsion for polymer composite particles used in electrophotog. toner)

IT 79-41-4DP, Methacrylic acid, ester of reaction product of α-thio glycerol with 1,3-butanediol dimethacrylate-Me acrylate-styrene copolymer 96-27-5DP, α-Thio glycerol, reaction product with 1,3-butanediol dimethacrylate-Me acrylate-styrene copolymer

15214-89-8DP, 2-Acryl amido-2-methylpropane sulfonic acid, ester of reaction product of α-thio glycerol with 1,3-butanediol dimethacrylate-Me acrylate-styrene copolymer 146938-48-9DP, 1,3-Butanediol dimethacrylate-methyl acrylate-styrene copolymer, reaction product with α-thio glycerol, and(or) ester with methacrylic acid or 2-acryl amido-2-methylpropane sulfonic acid
(prepd. as parent particle of polymer composite particles used in electrophotog. toner)

IT 25609-90-9, Acrylic acid-butyl methacrylate-styrene copolymer
26655-10-7, Butyl methacrylate-2-ethylhexyl acrylate-styrene copolymer
(prepg. parent particle of polymer composite particles used in electrophotog. toner)

OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

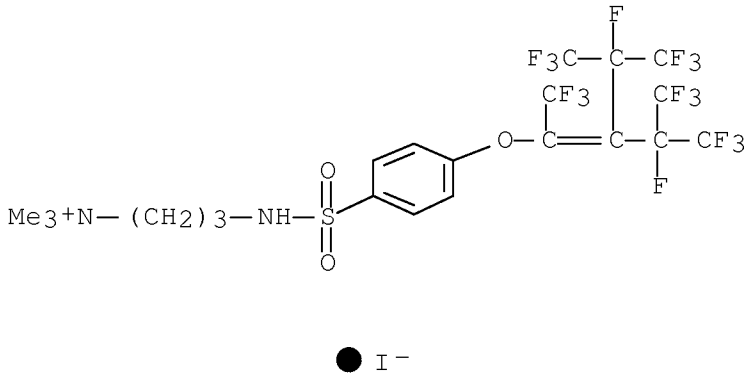
UPOS.G Date last citing reference entered STN: 12 Feb 2010

OS.G CAPLUS 2005:370926; 2006:445725; 2005:260314; 2005:259474; 2004:1126935; 2004:589112; 2003:319329; 2000:568470; 1998:405413; 1997:756492

IT 158658-62-9
(cationic surfactant; for prepg. polymer composite particles used in electrophotog. toner)

RN 158658-62-9 ZCA

CN 1-Propanaminium, N,N,N-trimethyl-3-[[[4-[[3,4,4,4-tetrafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,3-bis(trifluoromethyl)-1-buten-1-yl]oxy]phenyl]sulfonyl]amino]-, iodide (1:1) (CA INDEX NAME)



L7 ANSWER 11 OF 15 ZCA COPYRIGHT 2010 ACS on STN

AN 117:36596 ZCA Full-text

OREF 117:6361a,6364a

ED Entered STN: 26 Jul 1992

TI Positive photosensitive resin composition

IN Banba, Toshio; Takeuchi, Etsu; Takeda, Toshiro; Takeda, Naoshige; Tokoh, Akira

PA Sumitomo Bakelite Co., Ltd., Japan

SO Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM G03F007-023
ICS G03F007-004
CC 74-4 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 25, 35, 76
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 459395	A2	19911204	EP 1991-108689	19910528
	EP 459395	A3	19920708		
	EP 459395	B1	19990818		
	JP 04031860	A	19920204	JP 1990-137111	19900529
	JP 2828736	B2	19981125		
	JP 04031861	A	19920204	JP 1990-137112	19900529
	JP 2877894	B2	19990405		
	JP 04031862	A	19920204	JP 1990-137113	19900529
	JP 2877895	B2	19990405		
	JP 04046345	A	19920217	JP 1990-154049	19900614
	JP 2828740	B2	19981125		
	JP 04070659	A	19920305	JP 1990-177376	19900706
	JP 08007436	B	19960129		
	JP 04258958	A	19920914	JP 1991-104053	19910213
	JP 2698228	B2	19980119		
	KR 183990	B1	19990401	KR 1991-8819	19910529
	US 5449584	A	19950912	US 1994-210417	19940318
PRAI	JP 1990-137111	A	19900529		
	JP 1990-137112	A	19900529		
	JP 1990-137113	A	19900529		
	JP 1990-154049	A	19900614		
	JP 1990-177376	A	19900706		
	JP 1991-104053	A	19910213		
	US 1991-705992	B1	19910528		

OS MARPAT 117:36596

AB The title compn. comprises a polybenzoxazole precursor (D) 100, ≥1 org. solvent-sol. polymer having an arom. and/or a heterocyclic residue (E) 2-200, and a photosensitive agent consisting of a diazoquinone compd. and/or a dihydropyridine compd. 10-100 parts. The precursor D has a polymn. degree of 2-500 and is obtained by polymn. of (a) a monomer having a group -COAr1CO- [Ar1 = a divalent arom. or heterocyclic group], (b) a monomer having a group -NHAr2(OH)2NH- [Ar1 = a tetravalent arom. or heterocyclic group], and (c) a monomer having a group -NHAr3NH- [Ar3 = a divalent arom., heterocyclic, alicyclic, Si-contg. aliph. group] in such a proportion that a/(b + c) = 0.9-1.1 where b = 2-100, c = 0-98, and b + c = 100 mol%. The polymer E is selected from polyimides, polybenzoimidazoles, polybezothiazoles, etc. The photosensitive compn. has excellent alkali resistance when unexposed to light and accordingly can give a high residual film ratio.

ST photosensitive compn polybenzoxazole precursor; diazoquinone compd

photosensitive compn; polyimide photosensitive compn; semiconductor device photosensitive compn

IT Photoimaging compositions and processes
(alkali-resistant)

IT Semiconductor devices
(photosensitive compns. for manuf. of)

IT Siloxanes and Silicones, uses
(polyamic acid-, for photosensitive compns.)

IT Polyamic acids
(siloxane-, for photosensitive compns.)

IT 9010-39-3 21829-25-4 21829-26-5 25280-53-9, Polyhydantoin 26875-71-8 26985-65-9 31346-56-2 38595-90-3 51289-96-4, Polyoxadiazole 53055-12-2 64427-99-2 112480-82-7 128611-69-8 133440-72-9 141922-02-3 141922-03-4 141922-04-5 141922-05-6 **141948-93-8** 142175-42-6 142358-42-7
(photosensitive compns. contg.)

IT 30679-44-8P 96280-60-3P 116325-73-6P **141948-92-7P**
(prepn. and use of, in photosensitive compn.)

IT 142105-09-7P 142175-41-5P
(prepn. and use of, in photosensitive compns.)

OSC.G 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (25 CITINGS)

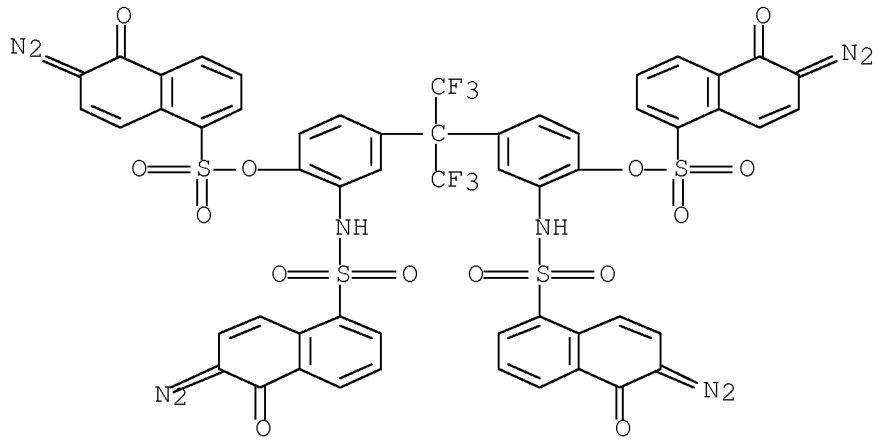
UPOS.G Date last citing reference entered STN: 04 May 2009

OS.G CAPLUS 2009:487285; 2008:703415; 2006:919169; 2006:642278; 2004:999587; 2004:780950; 2004:780742; 2003:1013101; 2002:354011; 2001:255870; 2001:221912; 2000:290730; 2000:290657; 2000:227876; 2000:227875; 2000:227873; 1999:763791; 1999:577122; 1999:271577; 1998:543230

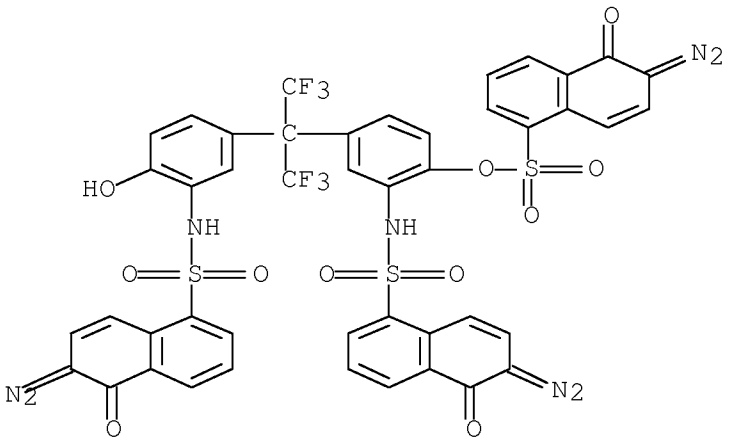
IT **141948-93-8**
(photosensitive compns. contg.)

RN 141948-93-8 ZCA

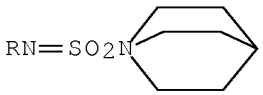
CN 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo-, [2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-[[(6-diazo-5,6-dihydro-5-oxo-1-naphthalenyl)sulfonyl]amino]-4,1-phenylene] ester (9CI) (CA INDEX NAME)



IT 141948-92-7P
(prepn. and use of, in photosensitive compn.)
RN 141948-92-7 ZCA
CN 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo-, 2-[[(6-diazo-5,6-dihydro-5-oxo-1-naphthalenyl)sulfonyl]amino]-4-[1-[3-[[(6-diazo-5,6-dihydro-5-oxo-1-naphthalenyl)sulfonyl]amino]-4-hydroxyphenyl]-2,2,2-trifluoro-1-(trifluoromethyl)ethyl]phenyl ester (CA INDEX NAME)



L7 ANSWER 12 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 107:58809 ZCA Full-text
OREF 107:9761a,9764a
ED Entered STN: 21 Aug 1987
TI Synthesis of perfluorinated sulfimides, RfN:SO2, and their stabilization by tertiary amines
AU Jaeger, Ulrich; Sundermeyer, Wolfgang; Pritzkow, Hans
CS Anorg.-Chem. Inst., Univ. Heidelberg, Heidelberg, D-6900/1, Fed. Rep. Ger.
SO Chemische Berichte (1987), 120(7), 1191-5
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA German
CC 27-16 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 23
OS CASREACT 107:58809
GI



I

AB The amine-stabilized sulfimides I [R = C6F5, (F3C)2CH, (F3C)2CHO2C] were obtained by reaction of sulfamoyl chlorides RNHSO2Cl with quinuclidine. A direct approach to I (R = C6F5) and (F3C)2CFN:SO2NMe2 was found by oxidn. of N-sulfinylamines RN:SO [R = C6F5, (CF3)2CF] with quinuclidine N-oxide or trimethylamine N-oxide, resp. The x-ray structure anal. of I (R = C6F5) indicates a double-bond in the N:SO2 group, while the amine is tetrahedrally coordinated in a distance to the sulfur atom longer than a single bond. Addnl. reactions of N-sulfinylamines or sulfamoyl chlorides are reported.

ST sulfimide perfluorinated; quinuclidine perfluorinated sulfimine prepn crystal structure

IT Crystal structure
(of quinuclidine sulfimide deriv.)

IT 107914-97-6P
(prepn. and crystal structure of)

IT 107914-94-3P 107914-95-4P 107914-96-5P
(prepn. and reaction with quinuclidine)

IT 107914-98-7P 107914-99-8P 107915-00-4P
107915-01-5P 107915-02-6P 107915-03-7P 107940-03-4P
(prepn. of)

IT 771-60-8, Pentafluoroaniline 920-66-1 1619-92-7
(reaction of, with chlorosulfonic acid)

IT 33581-95-2
(reaction of, with quinuclidine)

IT 22001-09-8
(reaction of, with quinuclidine oxide)

IT 100-76-5, Quinuclidine
(reaction of, with sulfamoyl chlorides)

IT 25289-67-2
(reaction of, with sulfinyl amines)

IT 10564-49-5
(reaction of, with sulfur trioxide)

IT 26454-67-1 28048-19-3
(reaction of, with trimethylamine oxide)

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

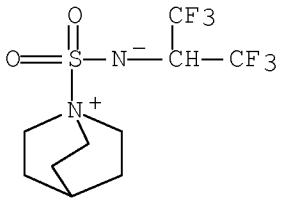
UPOS.G Date last citing reference entered STN: 20 Jul 2009

OS.G CAPLUS 2009:663953

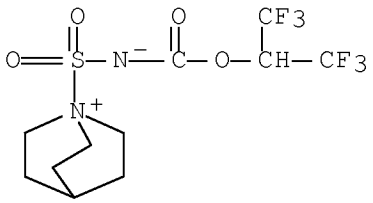
IT 107914-98-7P 107914-99-8P 107915-01-5P
(prepn. of)

RN 107914-98-7 ZCA

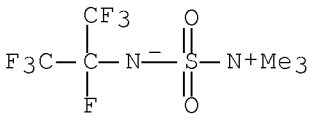
CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[2,2,2-trifluoro-1-(trifluoromethyl)ethyl]amino]sulfonyl]-, inner salt (CA INDEX NAME)



RN 107914-99-8 ZCA
CN 1-Azoniabicyclo[2.2.2]octane, 1-[[[[2,2,2-trifluoro-1-(trifluoromethyl)ethoxy]carbonyl]amino]sulfonyl]-, inner salt (9CI) (CA INDEX NAME)



RN 107915-01-5 ZCA
CN Methanaminium, N,N-dimethyl-N-[[[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]amino]sulfonyl]-, inner salt (CA INDEX NAME)



L7 ANSWER 13 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 90:40165 ZCA Full-text
OREF 90:6475a,6478a
ED Entered STN: 12 May 1984
TI Surface modification of polymeric substrates via interaction with azido formyl or azido sulfonyl compounds
IN Herweh, John E.
PA Armstrong Cork Co., USA
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English

IC D06M013-38
INCL 008115500
CC 39-10 (Textiles)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4099910	A	19780711	US 1977-820050	19770729
PRAI	US 1977-820050		19770729		

AB Azidoformate and azidosulfonyl compds. of structure R(CH2)mX, where R is a fluorocarbon or alkoxyalkyl group, m > 1, and X = O2CN3 or SO2N3, can be used to impart permanent surface effects to various substrates, esp. textiles, when thermally decompd. on the substrate. Thus, C8F17CH2CH2O2CN3 [68691-36-1], prepd. by reaction of C8F17CH2CH2O2CCl [40678-16-8] with NaN3, was applied to polypropylene-backed nylon carpet from a 2.5% soln. in CHCl3. After drying in vacuo and heating for 10 min at 140° the carpet passed the 3M Water Resistance Test, showed a value of 5 in the 3M Hydrocarbon Resistance Test, and 128° in the Contact Angle Test (single fiber) with H2O, compared with failure, 0, and 68°, resp., for untreated carpet.

ST azide textile finishing agent; sulfonyl azide textile finishing; azidoformate textile finishing agent; fluoroalkyl azidoformate textile finish; waterproofing agent textile; oilproofing agent textile

IT Polyamide fibers, uses and miscellaneous
(carpets, oil- and waterproofing agents for, heptadecafluorodecyl azidoformate as)

IT Carpets
(nylon, oil- and waterproofing agents for, heptadecafluorodecyl azidoformate as)

IT Oilproofing
Waterproofing
(agents, heptadecafluorodecyl azidoformate, for nylon carpets)

IT Azides
(fluorinated aliph., oil- and waterproofing agents, for textiles)

IT 68691-36-1
(oil- and waterproofing agent, for nylon carpets)

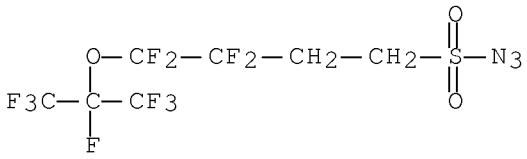
IT 68691-35-0P
(prepn. of)

IT 40678-16-8 53352-93-5
(reaction of, with sodium azide)

OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
UPOS.G Date last citing reference entered STN: 16 Feb 2009
OS.G CAPLUS 1994:332172; 1992:216006

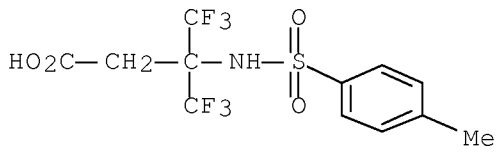
IT 68691-35-0P
(prepn. of)

RN 68691-35-0 ZCA
CN 1-Butanesulfonyl azide, 3,3,4,4-tetrafluoro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy]- (CA INDEX NAME)



L7 ANSWER 14 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 67:43402 ZCA Full-text
OREF 67:8119a,8122a
ED Entered STN: 12 May 1984
TI β-Amino-β,β-bis(trifluoromethyl)propionic acid and β,β-bis(trifluoromethyl)-β-propiolactam
AU Zeifman, Yu. V.; Knunyants, I. L.
CS Inst. Elementoorgan. Soedin., Moscow, USSR
SO Doklady Akademii Nauk SSSR (1967), 173(2), 354-7
CODEN: DANKAS; ISSN: 0002-3264
DT Journal
LA Russian
CC 23 (Aliphatic Compounds)
GI For diagram(s), see printed CA Issue.
AB Shaking 15.7 g. $(CF_3)_2CO$ and 16 g. p-$MeC_6H_4SO_2NH_2$ in tetrahydrofuran with a few drops pyridine in a sealed tube and treating the resulting soln. with 30 ml. $SOCl_2$ in C_6H_6, followed by refluxing 2 hrs., gave hexafluoroacetone N-p-toluenesulfonylimine, which was directly treated 1 hr. with ketene in Et_2O to yield after addn. of EtOH, 87% Ia, m. 94-6° (CCl_4), also formed in 70% yield from the corresponding β-p-toluenesulfonylamido-β,β-bis(trifluoromethyl)propionic acid (I) with ketene in Et_2O. Ia and alc. KOH on acidification for 2 hrs. gave 77% I, m. 111-13° (CCl_4). Ia and NH_3 in Et_2O gave I amide, m. 161-3° ($CHCl_3$). Ia heated 2 hrs. at 100° in H_2SO_4 gave 82.5% $H_2NC(CF_3)_2CH_2CO_2H$ (II), m. 69-70°, also formed similarly from its β-p-toluenesulfonyl deriv. II heated with EtOH-H_2SO_4 15 hrs. gave the Et ester (III), b22 69-70°, n19D 1.3570, d19 1.398. II and $SOCl_2$ heated 10 hrs. gave 70% β,β-bis(trifluoromethyl)-β-propiolactam (IV), m. 59-61° (CCl_4), also formed from II and P_2O_5 at 250° in vacuo in 65% yield, and in 35% yield from EtMgBr and III after refluxing 3 hrs. IV was not formed from the free amino acid and dicyclohexylcarbodiimide. IV and ketene in Et_2O overnight gave 76% the N-acetyl deriv. of IV, b10 69-71°, n22D 1.3740, which with 10% KOH gave 77% β-acetylamino-β,β- bis(trifluoromethyl)propionic acid, m. 149-50°. IV and BzCl with Et_3N 3 days gave 63.5% the N-benzoyl deriv. of IV, m. 108-9°; free acid m. 114-16°. Ir spectra shown.
ST PROPIONIC ACID; AMINOTRIFLUOROMETHYLPROPIONIC ACID; LACTAMS TRIFLUOROMETHYLPROPIO; FLUOROMETHYLPROPIONIC ACID
IT 4522-10-5P 13027-21-9P 16395-86-1P 16395-87-2P
16395-88-3P 16395-89-4P 16395-90-7P 16395-91-8P
16395-92-9P 16395-93-0P
(prepn. of)
IT 16395-88-3P

(prepn. of)
RN 16395-88-3 ZCA
CN Butanoic acid, 4,4,4-trifluoro-3-[[(4-methylphenyl)sulfonyl]amino]-3-(trifluoromethyl)- (CA INDEX NAME)



L7 ANSWER 15 OF 15 ZCA COPYRIGHT 2010 ACS on STN
AN 63:80199 ZCA Full-text
OREF 63:14711d-f
ED Entered STN: 22 Apr 2001
TI Substituted amides of long chain halocarboxylic acids
IN Hauptschein, Murray; Toukan, Sameeh S.
PA Pennsalt Chemicals Corp.
SO 38 pp.
DT Patent
LA Unavailable
IC C07C
CC 33 (Aliphatic Compounds)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1396008		19650416	FR 1964-971846	19640422
	US 3238235		19660301	US 1963-276160	19630429
PRAI	US		19630429		

AB A process for the prepn. of the title compds. R1CONR2R3CO2M (I) (R1 = perfluoroalkyl, R2 = H or alkyl, R3 = alkylene or monohydroxyalkylene, M = H or alkali metal) which are surface active agents is described. To a suspension of 7.5 g. glycine in 70 cc. anhyd. dimethoxyethane is slowly added a soln. of 11.3 g. CF3CF(CF3)(CF2)7COF in 30 cc. anhyd, dimethoxymethane, the mixt. refluxed 4 h. at 85°, filtered, solvent evapd. in vacuo, the residue extd. (Et2O), washed (H2O), dried (Mg2SO4) to give a liq. residue which solidifies at ambient temp. to give I (R1 = CF3CF(CF3)(CF2)7, R2 = H, R3 = CH2, M = H), m. 130-1° ir spectra (strong bands): 5.82 μ and 6.43 μ. R1, R2, R3, M, M.p. Ir (strong, bands);CF3CF(CF3)(CF2)5CO, H, CH2, H, 97.5-99°, 5.83μ, 6.47μ; CF3CF(CF3)(CF2)9CO, H, CH2, H, 148-9°, 5.82μ, 6.42μ; CF3CF(CF3)(CF2)5CO, H, CH2CH2, H, 88.5-90°, 5.87μ, 6.44μ; CF3CF(CF3)(CF2)7CO, H, CH2CH2, H, 116-17°, 5.82μ, 6.41μ; CF3CF(CF3)(CF2)9CO, H, CH2CH2, H, 138-40° 5.85μ, 6.43μ; CF3CF(CF3)(CF2)5CO, CH3, CH2, H, 67.5-69°, 5.74μ, 5.91μ; CF3CF(CF3)(CF2)7CO, CH3, CH2, H, 88.5-90°, 5.70μ, 6.00μ; CF3CF(CF3)(CF2)9CO, CH3, CH2, H, 105-7°, 5.70μ, 6.01μ; CF2ClCF(CF3)(CF2)7CO, H, CH2, H, 118-20°, 5.83μ, 6.45μ;

ClCF2CF(CF3)(CF2)9CO, H, CH2, H, 139.5-40.5°, 5.85μ, 6.46μ;
ClCF2CF(CF3)(CF2)7CO, H, CH2CH2, H, 99.5-100.5°, 5.85μ, 6.25μ;
ClCF2CF(CF3)(CF2)9CO, H, CH2CH2, H, 123-4.5°, 5.87μ, 6.44μ;
ClCF2CF(CF3)(CF2)7CO, CH3, CH2, H, 80-1°, 5.72μ, 6.01μ;
ClCF2CF(CF3)(CF2)9CO, CH3, CH2, H, 102.5-4°, 5.71μ, 6.00μ; Starting from appropriate perfluorocarboxylic acids other I can be prepd. and their properties are given in the table.

IT Surface-active substances
((perfluoroalkyl)carboxamides as)

IT Spectra, infrared
(of (perfluoroalkyl)carboxamides)

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

UPOS.G Date last citing reference entered STN: 16 Feb 2009

OS.G CAPLUS 1997:172298; 1995:957946; 1990:84281

IT **5051-36-5P**, Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,7,7,7-tetradecafluoro-6-(trifluoromethyl)heptyl]sulfonyl]-(?), ammonium salt
(prepn. of)

RN 5051-36-5 ZCA

CN Glycine, N-ethyl-N-[[1,1,2,2,3,3,4,4,5,5,6,7,7,7-tetradecafluoro-6-(trifluoromethyl)heptyl]sulfonyl]-, monoammonium salt (8CI) (CA INDEX NAME)